

Claims:

I claim:

1. a disassembling method and apparatus for disassembling fresh grainy fruits without harming the grains, based on using vibrations in appropriate resonance frequency in a tank full of conductive liquid in which the fresh grainy fruits are placed, said resonance frequency causes the grains to be detached from fruit into intact grains and skin, wherein the apparatus comprises
 - * an engine of min. capacity 2HP placed on a surface-bridge located on top of a container with conductive liquid,
 - * a pitman that is secured by a bearing to an arm on one side and to the axis of the engine on the other side,
 - * the ex-center is attached to the center of the axis of the engine in a certain deviation which affects the resonance frequency received, and said deviation varies according to the required resonance frequency for different kinds of fresh grainy fruits to be disassembled according to its frequency tolerance.
 - * the arm is secured to the pitman and to surface-bridge by bearings whereas its lower part is connected to a paddle that is submerged in a container with conductive liquid .
2. an engine of min. capacity 2HP according to claim 1, wherein capacity of engine varies according to nature and quantity of fresh fruits to be disassembled whereas the desired resonance frequency vibrations are controlled by height of wave resulting from ex-center's deviation from center of axis and length of wave resulting from engine's rotation speed.
3. a pitman is secured by a bearing to an arm on one side and to the axis of the engine on the other side according to claim 1 and when receiving vibrations from engine the vibrations are transferred to liquid either by changing rotary motion of paddle into reciprocating movement of paddle or by any other method.
4. the ex-center is attached to the axis of the engine in a calculated deviation from center of axis according to claim 2, the deviation of ex-center from center of axis

affects the length of wave resulting from engine's rotation speed thus affects the desired resonance frequency.

5. a paddle submerged in conductive liquid connected to the arm according to claim 1 and when receiving vibrations from arm causes reciprocating movement in liquid that disassemble the grainy fruits. 5
6. the transfer of desired resonance frequency from engine to liquid for the detachment of the grains from the fruit can be by various methods beside the shaking of the paddle, like shaking of container or any other part thereof that is in contact with liquid.

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